

(19)

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(11)

EP 0 862 050 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
12.04.2000 Bulletin 2000/15

(51) Int Cl.7: G01J 3/18

(43) Date of publication A2:
02.09.1998 Bulletin 1998/36

(21) Application number: 98301487.9

(22) Date of filing: 27.02.1998

(84) Designated Contracting States:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE
Designated Extension States:
AL LT LV MK RO SI

(30) Priority: 28.02.1997 US 39207 P
27.06.1997 US 884417

(71) Applicant: Instruments S.A., Inc.
Edison, New Jersey 08820 (US)

(72) Inventors:
• Slutter, Warren S.
Lebanon, New Jersey 08833 (US)

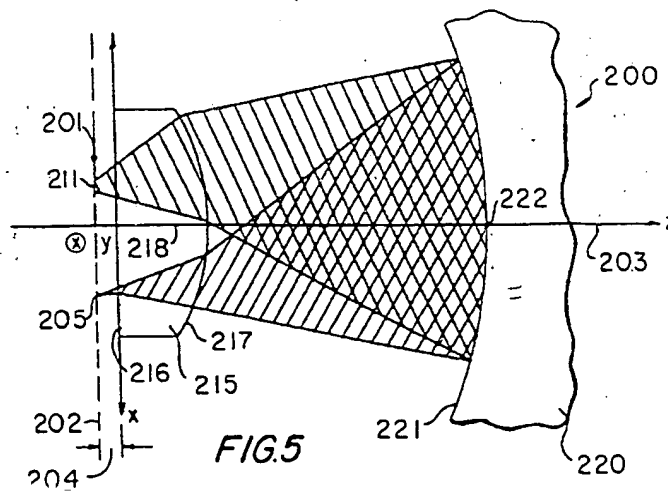
• Millet, Viviane D.
91310, Linas (FR)
• Jiang, Wu
South Plainfield, New Jersey 07080 (US)
• Goldstone, Jeremy J.
Piscataway, New Jersey 08854 (US)
• Thevenon, Alain F.R.
91220 Bretigny Sur Orge (FR)

(74) Representative:
Lloyd, Patrick Alexander Desmond
Reddie & Grose
16 Theobalds Road
London WC1X 8PL (GB)

(54) Modified concentric spectrograph

(57) A modified concentric spectrograph for diffracting light with high stray light rejection without astigmatism is provided. The modified spectrograph includes a grating, a lens, and at least one entrance port and one exit port. The grating has a concave surface and a meridian plane with a first side and a second side. The lens has a substantially planar surface and a convex surface. Preferably, the convex and concave surfaces are sub-

stantially concentric. The ports are substantially located on different sides of the meridian plane near a focal plane of the spectrograph. The position of a focal plane may be modified using an optically transmissive triangular prism with a reflective surface, and an optically transmissive block. The position of a focal plane may further be modified with one or more optically transmissive plates. Methods for using the spectrograph are also provided.



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EUROPEAN SEARCH REPORT

Application Number
EP 98 30 1487

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18 February 2000	Examiner De Buyzer, H
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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EP 98 30 1487

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